



NATIONAL
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STATISTICS
SERVICE

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KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:
Univ. of Ky - Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

LELAND E. BROWN, Director

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KGC 24-05

AGRICULTURAL NEWS: For the fourth week in a row, rain fell over Kentucky. Remnants of the tropical storm dumped up to 8 inches of rain in some places, causing flooding. The majority of the State received good amounts of precipitation, but some areas remain short for this time of year, especially in the east. After the system passed, farmers topped, sprayed, and harvested tobacco, baled hay, and harvested corn. There was an average of 3.5 days out of seven that were possible for fieldwork. On Friday, September 2, topsoil moisture was rated 6 percent very short, 19 percent short, 64 percent adequate, and 11 percent surplus. Subsoil moisture was rated 7 percent very short, 34 percent short, 52 percent adequate, and 7 percent surplus.

CORN: Some cornfields suffered lodging from the storm's wind and heavy rain. Harvest gained momentum after the rain. As of Sunday, September 4, 9 percent of the corn crop was harvested, the same as last year, but behind the 5 year average of 14 percent. Fifty-seven percent was mature. A year ago it was 59 percent, with a 5 year average of 64 percent. Percent of corn in the dent stage or beyond was 88 percent, compared to 90 percent for 2004 and 93 percent for the average. Corn condition was rated 4 percent very poor, 8 percent poor, 30 percent fair, 47 percent good, and 11 percent excellent.

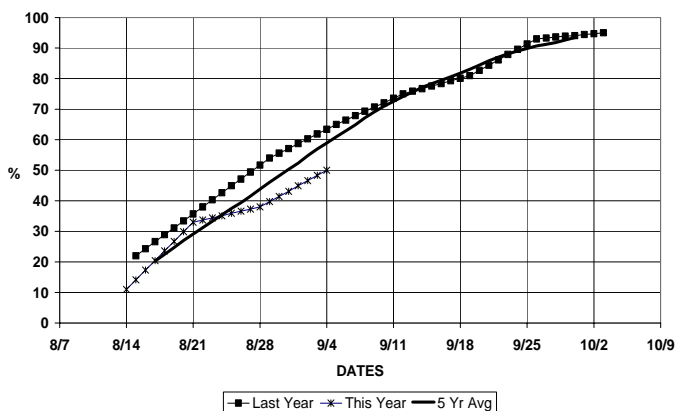
SOYBEANS: The rain improved pod fill conditions for late-season soybeans. Eighty-seven percent of the crop had set pods, as opposed to 98 percent in 2004 and 94 percent for the 5 year average. As of

Sunday, September 4, 26 percent of the soybeans were yellowing, ahead of last year at 24 percent and the 5 year average of 23 percent. Eleven percent had dropped leaves, compared to 9 percent for 2004 and the 5 year average. Condition of the soybean crop was rated 1 percent very poor, 10 percent poor, 29 percent fair, 49 percent good, and 11 percent excellent.

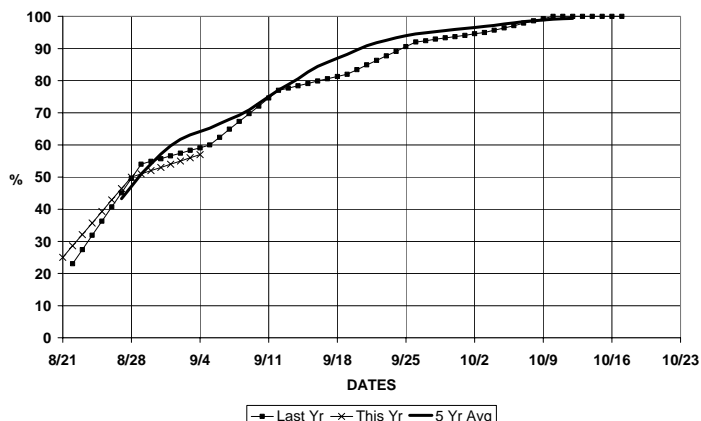
TOBACCO: A couple of places in Western Kentucky reported minor wind damage and flooding from the storm, but most of the crop was doing well. Late tobacco needed the rain, though some tobacco got muddy. Tobacco condition was rated 8 percent very poor, 21 percent poor, 28 percent fair, 35 percent good, and 8 percent excellent. Only 12 percent of the housed tobacco showed some houseburn, due to high moisture. Half of the burley crop was cut, behind last year's 63 percent and 59 percent for the 5 year average. Thirty-eight percent of dark tobacco was cut, compared to 56 percent for 2004 and 51 percent for the average.

OTHER CROPS: Hay and pasture conditions improved the most from last week's rain, because they were suffering the most. The quality of cut hay has been poor due to lack of timely showers. Condition of the hay crop was rated 17 percent very poor, 20 percent poor, 32 percent fair, 28 percent good, and 3 percent excellent. Pastures were rated 13 percent very poor, with 26 percent poor, 34 percent fair, 26 percent good, and 1 percent excellent. Pastures should improve further if the rain continues to come.

BURLEY TOBACCO PERCENT CUT PROGRESS



CORN MATURE OR BEYOND PROGRESS



KENTUCKY CROP PROGRESS
WEEK ENDING SEPTEMBER 4, 2005
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week KY	U.S.
Percentage					
Soybeans					
Setting Pods	87	98	94	82	97
Turning Yellow	26	24	23	17	NA
Shedding Leaves	11	9	9	6	6
Corn					
Dent Stage	88	90	93	85	61
Mature	57	59	64	50	11
Harvested	9	9	14	3	NA
Burley Tobacco					
Cut	50	63	59	38	NA
Dark Tobacco					
Cut	38	56	51	29	NA

(NA)Data Not Available.

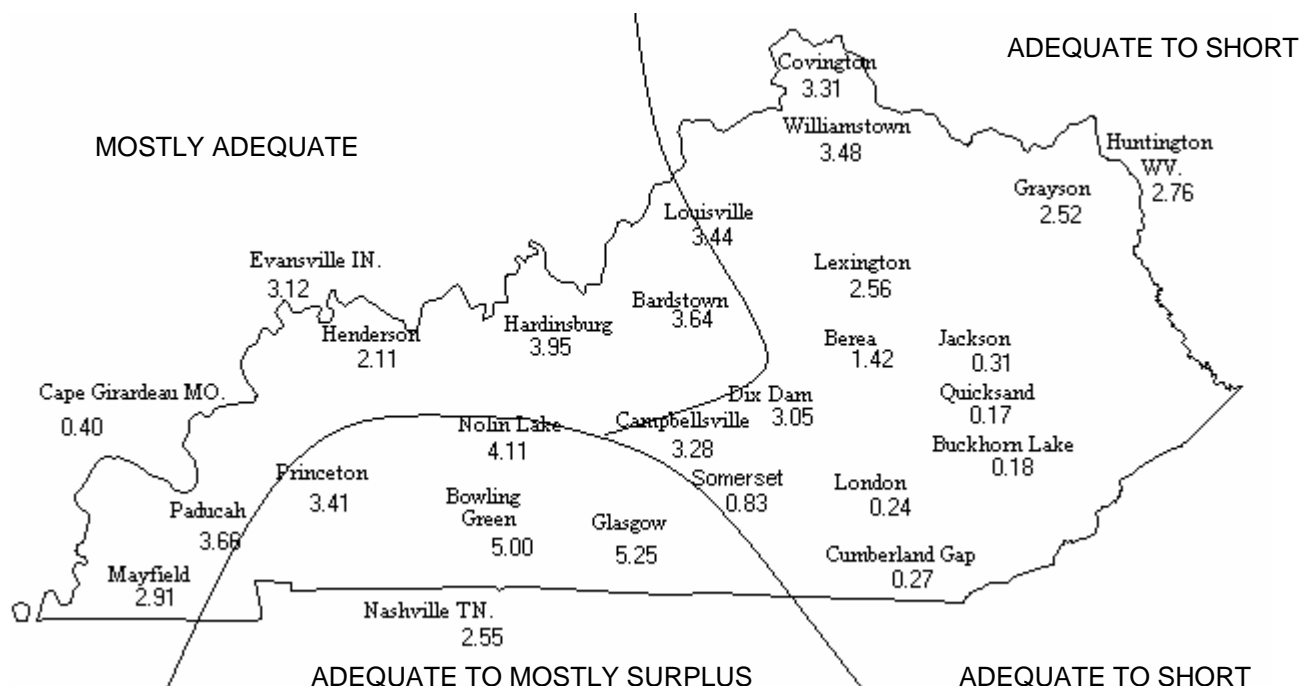
SOIL MOISTURE
WEEK ENDING SEPTEMBER 2, 2005
WITH COMPARISONS

	This Week	Previous Week
Percentage		
TOPSOIL		
Very Short	6	28
Short	19	31
Adequate	64	37
Surplus	11	4
SUBSOIL		
Very Short	7	31
Short	34	36
Adequate	52	32
Surplus	7	1

KENTUCKY CROP CONDITIONS (Percent)

WEEK ENDING SEPTEMBER 2, 2005						WEEK ENDING AUGUST 26, 2005					
CROP	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT	
Corn	4	8	30	47	11	4	12	28	41	15	
Soybeans	1	10	29	49	11	5	7	27	45	16	
Pasture	13	26	34	26	1	22	31	31	14	2	
Hay Crops	17	20	32	28	3	21	26	35	16	2	
Tobacco in Field	8	21	28	35	8	7	19	28	36	10	

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, SEPTEMBER 4, 7:00 P.M.
TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, SEPTEMBER 2, 2005



KENTUCKY WEATHER SUMMARY, AUGUST 29 – SEPTEMBER 4, 2005:

Above Normal Temperatures and Much Above Normal Rainfall:

From Various Degrees of Drought to Hurricane Katrina in One Week

The work week started out warm and dry, but Hurricane Katrina was positioned just off the Gulf coast starting to dump tremendous rainfall, high storm surge and causing wind damage all of historic proportions along the coast. By Tuesday morning, the remnants of Katrina, still of tropical wind force, were positioned near Tennessee and impacting Kentucky with copious rainfall and wind gusts in southern sections of the State up to 35 mph. By Wednesday morning, the storm had become extra tropical and was positioned near the northeast corner of Ohio, with lingering light rain and drizzle in the northeastern section of the Commonwealth. Storm total rainfall amounts ranged from 2 to 4 inches over most of the State, except southeast which had lesser amounts of one half to 1 inch. In west and central sections of the State, where most of the rainfall was received, 4 to 6 inches was common with locally heavier totals of 6 to 8 inches over a smaller swath of the State. Hopkinsville reported one-day total of 6.35 inches on August 30th. The remainder of the week and weekend was dry with seasonal temperatures. The third tropical storm to pass through the Bluegrass State this summer; including Dennis, Cindy and Katrina.

Temperatures for the period averaged 73 degrees across the State which was 1 degree above normal. High temperatures averaged from 84 in the West to 82 in the East. Departure from normal high temperatures ranged from 1 degree below normal in the West to 1 degree above normal in the East. Low temperatures averaged from 63 degrees in the West to 64 degrees in the East. Departure from normal low temperature ranged from +2 degrees from normal in the West to +4 degrees from normal in the East. Rainfall for the period totaled 2.59 inches statewide which was 1.77 inches above normal. Rainfall totals by climate division, West 2.60 inches, Central 4.23 inches, Bluegrass 2.63 inches and East 0.91 inches, which was 1.80, 3.38, 1.82 and 0.09 inches respectively above normal. By station, rainfall totals ranged from a low of 0.17 inches at Quicksand to a high of 5.25 inches at Glasgow.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, SEPTEMBER 4, 7:00 P.M.

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
	(Inches)					(Degrees Fahrenheit)						
Bardstown	3.64	25.26	8.22	+3.89	+4.75	86	56	71.4	+0	148	3119	+165
Berea	1.42	22.13	5.25	+0.17	+1.63	86	56	72.5	+2	156	3243	+192
Bowling Green	5.00	22.37	7.94	+0.19	+4.73	87	57	72.9	+2	157	3261	+180
Bristol	0.49	20.83	3.02	+2.17	+0.13	88	57	73.0	+3	158	2945	+113
Buckhorn Lake	0.18	12.34	2.47	-8.65	-0.84	86	57	72.6	+2	157	3176	+501
Cape Girardeau	0.40	19.69	2.60	-0.91	-0.58	89	55	74.4	+1	164	3350	+115
Campbellsville	3.28	23.05	5.13	-1.60	+0.97	88	56	72.6	+1	154	3234	+213
Covington	3.31	16.44	5.14	-3.40	+2.16	86	58	72.0	+2	152	3017	+218
Cumberland Gap	0.27	13.45	2.34	-9.71	-1.42	86	57	72.6	+2	157	3170	+368
Dix Dam	3.05	20.45	5.01	-1.49	+1.54	86	57	72.1	+2	153	3151	+162
Evansville	3.12	19.92	7.33	+0.11	+4.53	87	57	72.9	-0	158	3194	+112
Glasgow	5.25	27.39	8.41	+3.32	+4.77	89	56	72.9	+2	157	3359	+368
Grayson	2.52	19.54	6.40	-1.17	+3.13	87	57	73.6	+3	162	3176	+531
Hardinsburg	3.95	20.10	7.25	-1.91	+3.84	86	58	72.0	+1	152	3200	+115
Henderson	2.11	18.35	4.83	-1.97	+1.91	87	57	73.1	-0	159	3251	+139
Huntington	2.76	19.23	6.20	-1.57	+2.78	88	56	74.0	+4	165	3189	+360
Jackson	0.31	20.75	3.92	-1.38	+0.35	84	58	72.6	+2	157	3182	+507
Lexington	2.56	17.54	6.10	-3.83	+2.63	84	58	71.8	+1	150	3083	+250
London	0.24	18.31	3.06	-2.02	+0.03	87	53	72.7	+2	157	3047	+249
Louisville	3.44	20.06	6.67	-0.72	+3.51	86	58	72.1	+1	153	3133	+20
Mayfield	2.91	15.53	4.90	-6.75	+1.41	86	57	72.8	-0	158	3192	+46
Nashville	2.55	19.44	6.81	-1.26	+3.68	89	57	74.5	+3	166	3446	+142
Nolin Lake	4.11	22.33	7.62	-0.96	+4.15	87	57	72.4	+1	155	3248	+385
Paducah	3.66	19.07	5.85	-2.95	+2.77	88	57	73.8	+1	163	3328	+124
Princeton	3.41	22.75	10.95	+0.40	+7.40	91	57	73.3	+0	156	3326	+149
Quicksand	0.17	17.16	3.51	-4.97	-0.06	86	57	72.7	+2	158	3182	+507
Somerset	0.83	19.60	2.32	-3.40	-1.25	89	54	73.0	+3	156	3114	+221
Spindletop	1.98	13.05	3.34	-8.32	-0.13	84	58	71.2	+1	147	3016	+183
Williamstown	3.48	19.47	7.87	-1.55	+4.56	85	58	71.9	+1	151	3047	+214

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.agwx.ca.uky.edu/>

CROP PROGRESS PERCENT FOR WEEK ENDING AUGUST 28, 2005

CORN DENTED

State	Curr	Last Wk	2004	Avg
CO	20	10	11	31
IL	74	59	75	66
IN	61	43	65	56
IA	58	33	35	50
KS	68	61	69	75
KY	85	63	84	86
MI	46	23	8	12
MN	57	21	6	31
MO	88	80	84	82
NE	69	50	44	59
NC	89	82	95	87
ND	28	7	2	39
OH	48	20	47	36
PA	44	21	43	34
SD	49	20	16	38
TN	96	93	99	94
TX	89	80	90	91
WI	26	11	5	14
18 States	61	40	44	52

These 18 States planted 92% of last year's corn acreage.

SOYBEAN SETTING PODS

State	Curr	Last Wk	2004	Avg
AR	96	93	95	92
IL	98	96	97	96
IN	99	96	98	95
IA	99	97	99	99
KS	90	84	86	90
KY	82	75	86	85
LA	99	97	100	98
MI	100	98	86	91
MN	99	99	94	98
MS	100	100	100	100
MO	95	86	91	88
NE	100	98	98	99
NC	75	65	75	67
ND	100	99	98	100
OH	100	100	96	95
SD	96	88	97	98
TN	99	97	94	90
WI	97	92	81	88
18 States	97	94	95	95

These 18 States planted 95% of last year's soybean acreage.

CROP CONDITION FOR WEEK ENDING AUGUST 28, 2005

CORN

State	VP	P	F	G	EX
CO	3	9	29	43	16
IL	26	31	30	12	1
IN	6	16	37	35	6
IA	3	8	20	48	21
KS	4	14	37	41	4
KY	4	12	28	41	15
MI	3	8	24	49	16
MN	2	6	21	48	23
MO	22	22	24	26	6
NE	5	9	21	47	18
NC	1	8	24	49	18
ND	2	5	19	48	26
OH	7	15	36	34	8
PA	4	11	28	44	13
SD	6	11	25	42	16
TN	2	8	31	47	12
TX	12	16	31	30	11
WI	6	16	29	38	11
18 States	8	14	26	39	13
Prev Week	9	14	27	37	13
Prev Year	2	7	21	49	21

VP - Very Poor P - Poor F - Fair G - Good EX - Excellent

SOYBEANS

State	VP	P	F	G	EX
AR	11	20	35	29	5
IL	10	22	40	26	2
IN	4	11	34	44	7
IA	2	6	21	51	20
KS	2	10	38	45	5
KY	5	7	27	45	16
LA	0	15	35	40	10
MI	4	7	27	49	13
MN	2	5	24	47	22
MS	5	8	21	56	10
MO	13	21	36	24	6
NE	4	11	28	42	15
NC	1	12	25	52	10
ND	1	5	19	51	24
OH	4	13	32	39	12
SD	2	10	26	45	17
TN	5	12	30	44	9
WI	6	12	30	42	10
18 States	5	12	30	41	12
Prev Week	5	12	31	41	11
Prev Year	3	8	25	48	16

VP - Very Poor P - Poor F - Fair G - Good EX - Excellent

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